



Dynamic Epistemic Logic - old and new directions

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Dynamic epistemic logic is the modal logic of knowledge and belief change. I will discuss various past, present, and (expected) future directions of research in dynamic epistemic logic. Concerning current and future directions, I intend to pay specific attention to (at least one of) (i) the integration of approaches to model factual and epistemic change; (ii) approaches to model different degrees of belief and their interaction with knowledge, conviction, and change; (iii) and a fairly new phenomenon called 'arbitrary announcement', an approach wherein $\langle \rangle \phi$ means "there is a ψ such that $\langle \psi \rangle \phi$ ", where $\langle \psi \rangle$ models 'ordinary' public announcement. My interest typically involves modelling dynamic phenomena in specific multiagent systems: I intend to sprinkle my presentation with examples and suitable logic puzzles.